

IBRAHIM WARSAME

343-254-1738 | warsameibrahim906@gmail.com | github.com/Ibrahimwarsame01

EDUCATION

Carleton University

Bachelor of Engineering in Software Engineering Expected June 2028

Ottawa, ON

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, TypeScript, HTML/CSS

Frameworks and Libraries: FastAPI, Flask, LangGraph, React, OpenCV, Google ADK, Gemini, GPT-4o

Developer Tools: Git, Linux, Docker, PostgreSQL, Supabase, REST APIs, WebSockets, CI/CD, GitHub Actions

PROJECTS

Aphasia Bridge Hackathon Winner | Python, Flask, OpenAI GPT-4o APIs, JSON

- Built a real time voice transcription backend in Python and Flask with REST APIs, processing live audio input through a structured pipeline and using GPT-4o to reconstruct coherent sentences from fragmented speech with low latency.
- Structured the application using OOP principles with clear separation between transcription, NLP, and response generation modules, writing clean well documented code that enabled isolated testing and easy extension of each component.
- Won first place at a hackathon delivering a production ready AI application, leveraging AI coding tools throughout development to accelerate implementation while maintaining high code quality.

AnalyzeLab | Python, Google ADK, Gemini, Firestore, React, Cloud Run

- Designed and built a production ready multi agent AI platform with OpenTelemetry observability, structured telemetry emission, and Firestore persistent state enabling full traceability and monitoring of all system events.
- Built a React dashboard with a Supabase backend and Cloud Run deployment, implementing CI/CD pipelines for reliable automated deployment and maintaining clear technical documentation across all components.
- Leveraged AI coding tools throughout development to accelerate implementation and design, integrating governance controls and human approval gates to ensure output quality at every stage.

FamilyPath | Python, FastAPI, LangGraph, TypeScript, React, PostgreSQL, Docker

- Built a scalable full stack platform with a multi agent FastAPI backend, real time WebSocket updates, a PostgreSQL data pipeline, and Docker containerization, taking full ownership of design and implementation.
- Designed clean REST APIs with modular service architecture and technical documentation, collaborating with teammates under strict deadlines to ship a production ready application that solved a real healthcare access problem.

EXPERIENCE

Commissionaires

Security Guard, Ottawa, ON

Jan. 2024 Present

- Operated and monitored integrated CCTV and alarm systems across a large facility, diagnosing anomalies in real time and escalating incidents through defined response procedures.
- Executed safety critical protocols under pressure consistently making fast and accurate decisions in a zero tolerance compliance environment.
- Maintained detailed activity logs and incident reports with high accuracy ensuring a reliable audit trail across every shift.